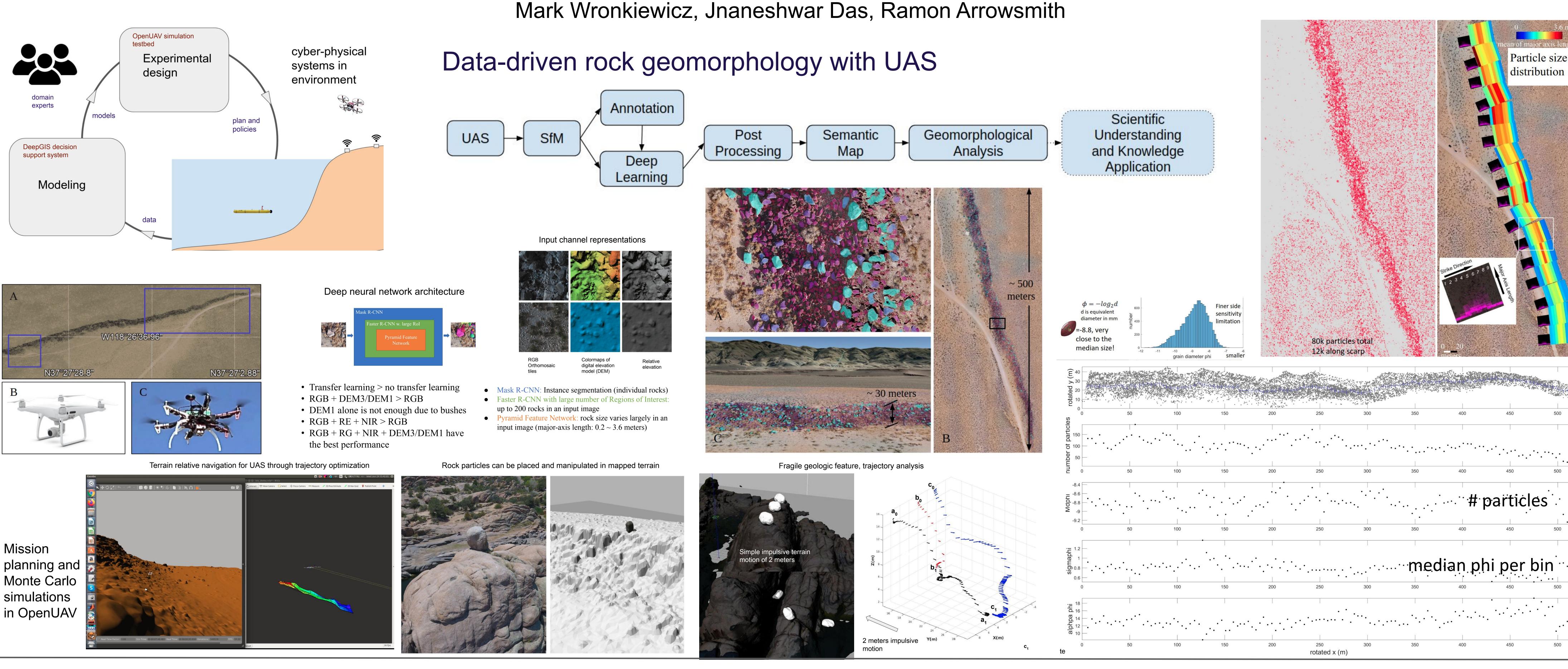
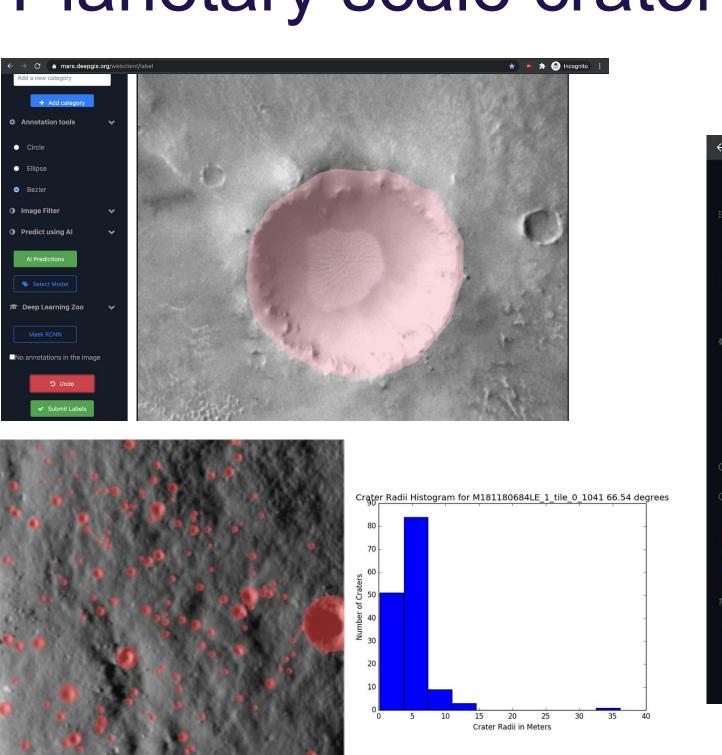
The Annotation Game: Towards Collaborative Science with Humans, Robots, and Al

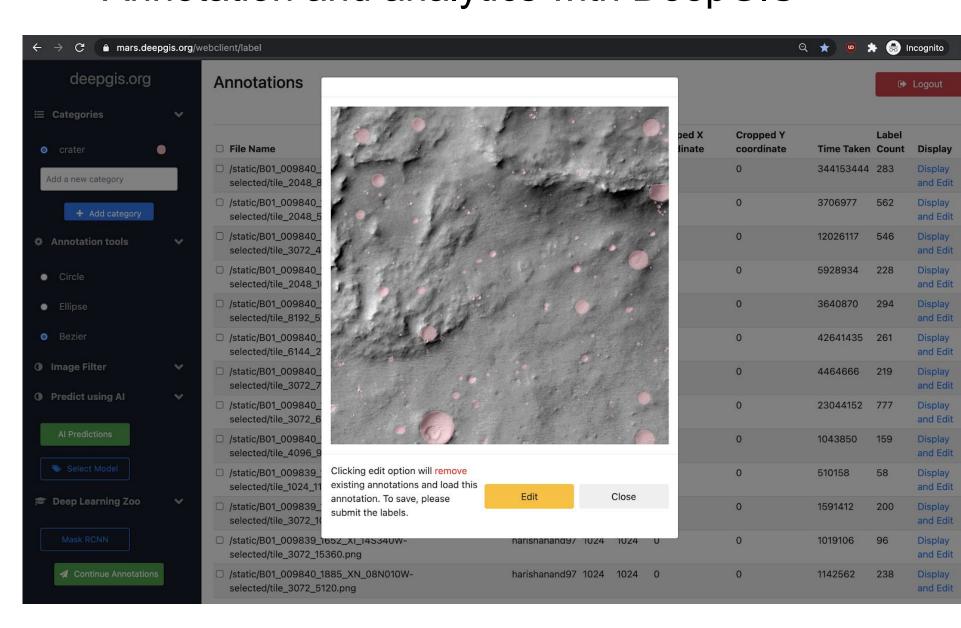
Poster #3 Zhiang Chen, Tyler R. Scott, Ethan Duncan, Harish Anand, A.L.G. Prasad, Sarah Bearman, Devin Keating, Chelsea Scott, Brent Hayashi,



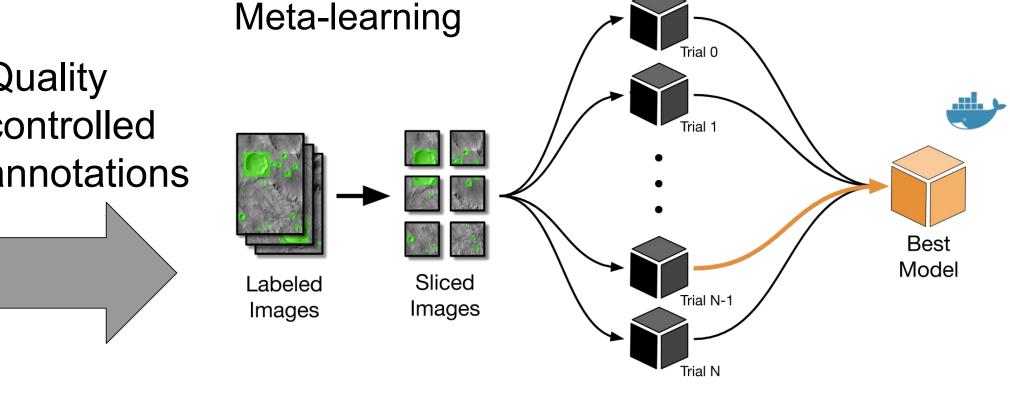
Planetary scale crater mapping

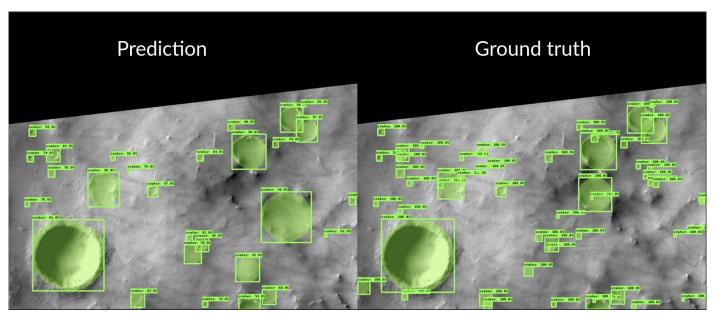


Annotation and analytics with DeepGIS

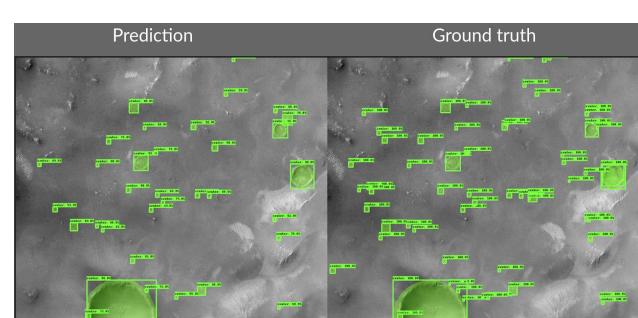


Quality controlled annotations





Large scale inference on Google Cloud Platform



Summary

- Build upon robotic sampling, cloud, and machine learning.
- Leverage Bayesian optimization for metalearning, to guide annotation, model retraining, and large scale inference.
- Al assisted annotation and model retraining, lifelong learning with experts in the loop.



Prediction results

with trained model







